

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet  
Spring 2014 Levee Inspection Results****Reclamation District No. 2060 Hastings**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 2060 Hastings**

Waterway			Bank	Unit Miles
Unit No. 01 Lindsey Slough			Left	6.94
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/03/2014 - 04/03/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract			
	Gilbert Cosio MBK Engineers			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.94	04/03/2014 04/03/2014	Herman Phillips

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2060_01_s _ 2012_10				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2060_01_s _ 2012_11				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2060_01_s_2012_12				
Action/Comments					

No Photos

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.94	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	467
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247483 °	38.247483 °
				-121.696291 °	-121.696291 °
DWR ID	DWR_RD2060_01_s _ 2014_467				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips\_s\_20140603\_06014.jpg



Looking downstream from levee mile 0.00 landside slope of RD 2060.  
Photo taken 03-04-2014

LM Start	0.56	Rating **	M	Issue No.	14
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248630 °	38.248617 °
				-121.706403 °	-121.706667 °
DWR ID	DWR_RD2060_01_s _ 2012_14				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: District has placed some more rock in this area, they will place more later. 3-08-2011 viewed the erosion site, this site is still active. The district says that they will make repairs end of April or May 2011.					

No Photos

LM Start	1.70	Rating **	M	Issue No.	1
LM End	1.70	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.256535 °	38.257517 °
				-121.724753 °	-121.724823 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Multiple erosion pockets. Deep cracks throughout site could lead to further bank failure. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: LDS_1-9_L]					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.94	04/03/2014 04/03/2014	Herman Phillips

LM Start	1.90	Rating **	M	Issue No.	9
LM End	1.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.256664 °	38.256664 °
				-121.721535 °	-121.721535 °
DWR ID	DWR_RD2060_01_s _ 2013_9				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: District has plans to bring material to be placed at site along with more rock, stated during the inspection 3-28-2013.					

No Photos

LM Start	1.91	Rating **	M	Issue No.	13
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.256664 °	38.256664 °
				-121.724536 °	-121.724536 °
DWR ID	DWR_RD2060_01_s _ 2013_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: It appears that this site is also active. Spring inspection 2013.					

No Photos

LM Start	1.92	Rating **	M	Issue No.	16
LM End	1.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.256766 °	38.256766 °
				-121.724552 °	-121.724552 °
DWR ID	DWR_RD2060_01_s _ 2013_16				
Action/Comments					
Note and monitor erosion site. Inspector Comments: At this location the material is soft and this site is much like the one at L/M 1.90 and L/M 1.91. District is aware of the sites and repairs are being planned.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.94	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.34	Rating **	M	Issue No.	2
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.257224 °	38.257319 °
				-121.731953 °	-121.732423 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Two erosion pockets from rotational failures. Very soft soil. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: LDS_2-4_L]					

No Photos

LM Start	2.40	Rating **	U	Issue No.	17
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.259254 °	38.259254 °
				-121.727257 °	-121.727257 °
DWR ID	DWR_RD2060_01_s_2013_17				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: District is aware of the problem, they are scheduling the area to be repaired 2014.					

Photo 1 of 1 : phillips\_s\_20140306\_655.JPG



From RD 536 Looking across channel at RD 2060 Unit 1 erosion site levee mile 2.40 scour hole up to 20' deep and more than 50 feet across. Photo taken 10-08-2013. This erosion site is still active, District has it scheduled for repairs 2014.

LM Start	2.49	Rating **	M	Issue No.	18
LM End	2.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.257407 °	38.257407 °
				-121.732002 °	-121.732002 °
DWR ID	DWR_RD2060_01_s_2013_18				
Action/Comments					
Note and monitor erosion site.					

No Photos

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Left	6.94	04/03/2014 04/03/2014	Herman Phillips

LM Start	5.07	Rating **	M	Issue No.	6
LM End	5.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.263157 °	38.263157 °
				-121.771543 °	-121.771543 °
DWR ID	DWR_RD2060_01_s _ 2012_6				
Action/Comments					

No Photos

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 2060 Hastings**

Waterway			Bank	Unit Miles
Unit No. 02 Ulatis Creek			Right	3.70
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/03/2014 - 04/03/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract			

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2014

### Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.70	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	192
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274841 °	38.274841 °
				-121.794855 °	-121.794855 °
DWR ID	DWR_RD2060_02_s _ 2014_192				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips\_s\_20140603\_06015.jpg



Looking downstream from levee mile 0.00 Unit 2 landside levee slope.  
Photo taken 03-04-2014.

LM Start	0.12	Rating **	M	Issue No.	2
LM End	1.78	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.276351 °	38.285819 °
				-121.795922 °	-121.776942 °
DWR ID	DWR_RD2060_02_s _ 2013_2				
Action/Comments					
Fence					
Inspector Comments: This fence should be removed from shoulder of levee section.					

No Photos

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.70	04/03/2014 04/03/2014	Herman Phillips

LM Start	1.77	Rating **	M	Issue No.	190
LM End	1.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.285219 °	38.285219 °
				-121.777085 °	-121.777085 °
DWR ID	DWR_RD2060_02_s_2014_190				
Action/Comments					
Inspector Comments: FS_ID:18386					
EP_NO: 10148					
Repair Type:					
Crossing Status:					
UCIP Comments: U-type concrete headwall on LS. Not accessible due to fence. Vegetation is partially blocking inlet & outlet pipe.					
FIELD_STRUCT_DESC: 24-inch CM drainpipe through levee, 16.0 feet below crown, flap gate on waterward end. U-type concrete headwall on LS. Not accessible due to fence. Vegetation is partially blocking inlet & outlet pipe.					
FS Date: 8/15/2013					

Photo 1 of 1 : UCIP\_1691.jpg



WS view: overview of CMP from levee.

LM Start	1.78	Rating **	M	Issue No.	3
LM End	2.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.285819 °	38.290494 °
				-121.776942 °	-121.772717 °
DWR ID	DWR_RD2060_02_s_2013_3				
Action/Comments					
Fence					

No Photos

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CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.70	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.09	Rating **	M	Issue No.	191
LM End	2.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289474 °	38.289474 °
				-121.775914 °	-121.775914 °
DWR ID	DWR_RD2060_02_s_2014_191				
Action/Comments					
Inspector Comments: FS_ID:18528					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: - Abandoned pump structure in stream and concrete distribution box on landside. Not accessible due to wired fence.					
Needs proper abandonment.					
FIELD_STRUCT_DESC: Abandoned pump structure in stream and a concrete distribution on landside. Not accessible due to wired fence.					
FS Date: 8/15/2013					

Photo 1 of 1 : UCIP\_1703.jpg



LS view: abandoned concrete distribution box. Not accessible due to wire fence.

LM Start	2.10	Rating **	M	Issue No.	4
LM End	2.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290085 °	38.290085 °
				-121.775486 °	-121.775486 °
DWR ID	DWR_RD2060_02_s_2013_4				
Action/Comments					
Wall					
Inspector Comments: Abandoned concrete structure at this location this was once used as a pump site.					

Photo 1 of 1 : phillips\_s\_20140306\_277.JPG



This old block structure not in use was placed within the levee section. Photo taken 3-28-2013. No new photo of site during Spring Inspection 03-04-2014.

\* Location  
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WS : Water Side  
CR : Crown

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A/W : Acceptable but Monitor & Maintain

+ Issue Type  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ulatis Creek	Right	3.70	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.12	Rating **	M	Issue No.	5
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290296 °	38.290296 °
				-121.775240 °	-121.775240 °
DWR ID	DWR_RD2060_02_s _ 2013_5				
Action/Comments					
Ditch					

No Photos

LM Start	2.26	Rating **	M	Issue No.	6
LM End	2.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.290475 °	38.290475 °
				-121.773390 °	-121.773390 °
DWR ID	DWR_RD2060_02_s _ 2013_6				
Action/Comments					
Ditch					

Photo 1 of 1 : phillips\_s\_20140306\_278.JPG



This ditch encroaches within the 10-foot easement. Photo taken 3-28-2013. No new photo was taken of this ditch during the Spring Inspection of 2014.

**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Reclamation District No. 2060 Hastings**

Waterway			Bank	Unit Miles
Unit No. 03 Cache Slough			Right	5.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/03/2014 - 04/03/2014			
DWR Inspector	Herman Phillips			
Accompanied By	Mr. Mark Boyd RD 2060 Hastings Tract			

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Levee Inspections**

## Levee Inspection Report By Mile - Spring 2014

### Reclamation District No. 2060 Hastings

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296651 °	38.296651 °
				-121.748801 °	-121.748800 °
DWR ID	DWR_RD2060_03_s _ 2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : phillips\_s\_20140603\_06016.jpg



Looking downstream from the landside levee slope levee mile 0.00 Unit 3.

LM Start	0.00	Rating **	A	Issue No.	171
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296651 °	38.296651 °
				-121.748801 °	-121.748801 °
DWR ID	DWR_RD2060_03_s _ 2014_171				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : phillips\_s\_20140603\_06017.jpg



Looking downstream from levee mile 0.00 Unit 3 waterside levee slope.

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	0.90	Rating **	M	Issue No.	168
LM End	0.90	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290684 °	38.290684 °
				-121.735668 °	-121.735668 °
DWR ID	DWR_RD2060_03_s_2014_168				
Action/Comments					
Inspector Comments: FS_ID:18727					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Seem abandoned. Not found- pump on LS. Needs more exploration.					
FIELD_STRUCT_DESC: 6-inch steel pipe through the levee, 2.8 feet below the crown. O&M Manual SAC 107, April 1959.					
FS Date: 8/15/2013					

Photo 1 of 1 : UCIP\_1729.jpg



Waterside view: levee slope and a steel pipe.

LM Start	0.90	Rating **	M	Issue No.	169
LM End	0.90	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.290684 °	38.290684 °
				-121.735639 °	-121.735639 °
DWR ID	DWR_RD2060_03_s_2014_169				
Action/Comments					
Inspector Comments: FS_ID:18726					
EP_NO: 6342					
Repair Type:					
Crossing Status:					
UCIP Comments: Leaky siphon breaker may need to be repaired.					
Dense vegetation on WS. Not found- gate valve on LS.					
FIELD_STRUCT_DESC: 16-inch steel pipe through levee 8.0 feet below crown, vertical pump in drain ditch on land-side. Siphon breaker on waterside. (App. No. 6342-A - Hastings Farms)					
FS Date: 8/15/2013					

Photo 1 of 1 : UCIP\_1727.jpg



Landside view: pump, service pole, steel support structure, walkway, and pipe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	1.51	Rating **	M	Issue No.	10
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.288598 °	38.286051 °
				-121.725184 °	-121.722818 °
DWR ID					
Action/Comments					
Inspector Comments: Site added in 1997 and removed in 2003. 2005 - Put back in the inventory. 2006 - Stone repair at the middle of the site. 2011 - Some rock place at toe in the past year. 2013: Site extended both upstream and downstream to include new erosion pockets. [2013 Site ID: CHS_23-6_R]					

Photo 1 of 1 : USACE2013A\_CHS\_23-6\_R\_2.jpg



USACE 2013 Photo #1

LM Start	1.96	Rating **	M	Issue No.	9
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.284105 °	38.283302 °
				-121.718471 °	-121.717814 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Small maintenance site. 2013: No observed changes. [2013 Site ID: CHS 23-0 R]					

Photo 1 of 1 : USACE2013A\_CHS\_23-0\_R\_1.jpg



USACE 2013 Photo #1

LM Start	2.11	Rating **	M	Issue No.	8
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.282847 °	38.282245 °
				-121.717549 °	-121.717058 °
DWR ID					
Action/Comments					
Inspector Comments: 2013: Pockets of ersoion behind willows. [2013 Site ID: CHS_22-9 R]					

Photo 1 of 1 : USACE2013A\_CHS\_22-9\_R\_1.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.18	Rating **	M	Issue No.	6
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.282069 °	38.281482 °
				-121.716891 °	-121.716356 °
DWR ID					
Action/Comments					
Inspector Comments: 2007 - Geotechnical failure of midside slope and wave wash/scalloping in toe area. Stone revetment upstream and downstream of site. Similar sites are present all along the right bank downstream of this site, most could be repaired with some maintenance. 2010 - Minor new erosion. 2013: No observed changes. [2013 Site ID: CHS 22-8 R]					

Photo 1 of 1 : USACE2013A\_CHS\_22-8\_R\_4.jpg



USACE 2013 Photo #1

LM Start	2.34	Rating **	M	Issue No.	5
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.280356 °	38.278214 °
				-121.714697 °	-121.712857 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Small scour pockets and mid-slope wave wash. 2010 - More vegetation growth, could be fixed through maintenance. 2011 - Site extended downstream and new erosion. 2013: No observed changes. [2013 Site ID: CHS 22-6 R]					

Photo 1 of 1 : USACE2013A\_CHS\_22-6\_R\_2.jpg



USACE 2013 Photo #1

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	2.54	Rating **	M	Issue No.	4
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.278109 °	38.277754 °
				-121.712671 °	-121.712144 °
DWR ID					
Action/Comments					
Inspector Comments: 2013: Erosion pockets into the levee toe. [2013 Site ID: CHS_22-5_R]					

Photo 1 of 1 : USACE2013A\_CHS\_22-5\_R\_1.jpg



USACE 2013 Photo #1

LM Start	2.79	Rating **	A/W	Issue No.	3
LM End	3.25	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.280919 °	38.275177 °
				-121.715756 °	-121.709777 °
DWR ID	DWR_RD2060_03_s _ 2012_3				
Action/Comments					
Environmental Requirements.					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

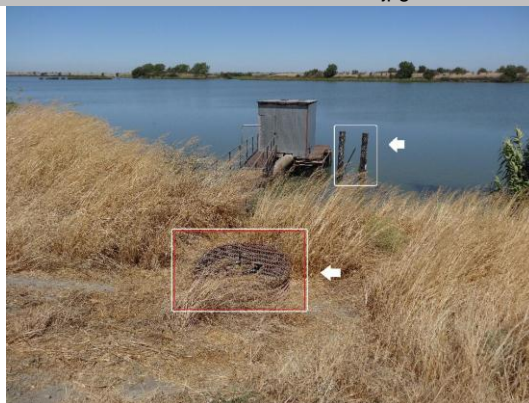
**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	3.24	Rating **	M	Issue No.	170
LM End	3.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.270151 °	38.270151 °
				-121.705782 °	-121.705782 °
DWR ID	DWR_RD2060_03_s_2014_170				
Action/Comments					
Inspector Comments: FS_ID:18723					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Only a CMP riser was found on WS.					
FIELD_STRUCT_DESC: Only a CMP riser was found WS. All other features not found as described: 36-inch steel pipe through levee 15.0 feet below crown, slide gate in CM riser on waterward slope. (Asbestos bonded pipe.) Pump in pump house on pile structure in stream. Service pole and anchor on landward slope. Only a CMP riser was found WS.					
FS Date: 8/15/2013					

Photo 1 of 1 : UCIP\_1725.jpg



WS view: slide gate in CMP riser (bottom- marked) and may be abandoned pile for pump support (marked- right).

LM Start	3.28	Rating **	A/W	Issue No.	12
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270863 °	38.270324 °
				-121.706800 °	-121.705904 °
DWR ID	DWR_RD2060_03_s_2012_12				
Action/Comments					
Environmental Requirements.					
Inspector Comments: There was a fire this spring that burned this revegetation site, during the 2012 inspection new growth has sprouted up. During the 2013 inspection new sprouts continue to come up.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Reclamation District No. 2060 Hastings**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cache Slough	Right	5.03	04/03/2014 04/03/2014	Herman Phillips

LM Start	3.67	Rating **	M	Issue No.	1
LM End	4.08	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.264585 °	38.260593 °
				-121.698868 °	-121.696403 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Several pockets of erosion from rotational failure and slumping toe. 2013: Site extended downstream to include new erosion pockets. [2013 Site ID: CHS_21-1_R]					

Photo 1 of 1 : USACE2013A\_CHS\_21-1\_R\_12.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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